

Claims

1. Polymerizable dental materials containing silver particles which have a primary particle diameter of < 40 nm.
2. Dental material according to Claim 1, characterized in that the mass proportion of silver therein is 1 ppm minimum and 10% by weight maximum, preferably 10 ppm minimum and 5% by weight maximum, particularly preferably 100 ppm minimum and 2% by weight maximum.
3. Dental material according to Claim 2, wherein the silver particles have a primary particle diameter of 1–20 nm.
4. Dental material according to one of Claims 1 through 3, wherein the silver particles are homogeneously incorporated into the dental material.
5. Dental material according to one of Claims 1 through 4, wherein the silver particles are not agglomerated.
6. Dental material according to one of Claims 1 through 5, wherein the silver particles are provided for incorporation in conjunction with a surface modification.
7. Dental material according to one of Claims 1 through 6, wherein the silver particles are introduced into the dental material in the form of an acrylate dispersion.
8. Dental material according to one of Claims 1 through 7, wherein the silver particles are not applied to carrier or auxiliary substances.
9. Use of a dental material according to one Claims 1 through 8 as a filling composite.
10. Use of a dental material according to one Claims 1 through 8 as an adhesive.

11. Use of a dental material according to one Claims 1 through 8 as a prosthetic base material.
12. Use of a dental material according to one Claims 1 through 8 as a material for artificial teeth.
13. Use of a dental material according to one Claims 1 through 8 as a veneer composite for crowns and bridges.
14. Use of a dental material according to one Claims 1 through 8 as a fissure sealant.
15. Use of a dental material according to one Claims 1 through 8 as a component of a protective dental lacquer for the surface treatment of natural teeth.